EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	trotter.in. and tyrosine ADJ kinase$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:04

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=> b reg
FILE 'REGISTRY' ENTERED AT 13:47:14 ON 20 SEP 2007
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provided by InfoChem.

STRUCTURE FILE UPDATES:   19 SEP 2007  HIGHEST RN 947584-60-3
DICTIONARY FILE UPDATES:  19 SEP 2007  HIGHEST RN 947584-60-3

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta l9
L1               STR
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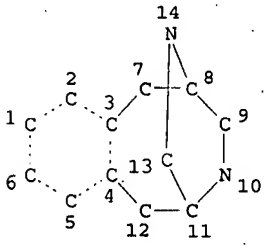


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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  14

STEREO ATTRIBUTES: NONE
L9            19 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED   18067 ITERATIONS                          19 ANSWERS
SEARCH TIME: 00.00.01


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FILE 'HCAPLUS' ENTERED AT 13:47:33 ON 20 SEP 2007
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FILE COVERS 1907 - 20 Sep 2007  VOL 147 ISS 13
FILE LAST UPDATED: 19 Sep 2007  (20070919/ED)
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 20 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 19 Sep 2007 (20070919/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L8 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:836790 HCAPLUS
DN 139:337988
TI Preparation of 1,2,3,4,5,6-hexahydro-5,2-(epiminomethano)-3-benzazocine derivatives as tyrosine kinase inhibitors
IN Trotter, B. Wesley
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 78 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO2003086315	A2	20031023	2003WO-US12457	20030408
	WO2003086315	A3	20040108		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	AU2003223689	A1	20031027	2003AU-0223689	20030408
	EP---1496907	A2	20050119	2003EP-0719886	20030408
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
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	US2005227988	A1	20051013	2004US-0510610	20041008
PRAI	2002US-372232P	P	20020412		
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OS MARPAT 139:337988
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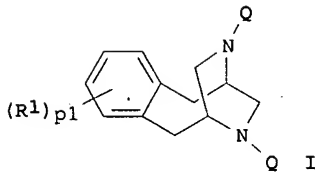


I

Q= $-(CR^{1?}{}_2)_n-X-(CR^{1?}{}_2)_p-V-(R^2)_q$

AB The present invention relates to benzazocine compds. [I; wherein R1a = H, (un)substituted C1-6 alkyl, OR4; R1b = H, (un)substituted C1-6 alkyl; X = a bond, CO, O, NR4, S(O)mR4, CO2R4, CON(R4)2; R1 = H, halo, OR4, NO2, S(O)mR4, cyano, each (un)substituted C1-10 alkyl, aryl, C2-6 alkenyl, C3-10 cycloalkyl, C2-6 alkynyl, or heterocyclyl, COR4, CO2R4, CON(R4)2, S(O)mN(R4)2, N(R4)2; V = H, CF3, aryl, heterocyclyl, C3-10 cycloalkyl; R2 = H, (un)substituted C1-10 alkyl, (CR1b)tOR4, halo, cyano, NO2, CF3, (CR1b)tN(R4)2, CO2R4, COR4, SO2R4, (CR1b)tNR4(CR1b)tR5, (CR1b)tS(O)mNR4, CO2R4, NR4COR4, each (un)substituted aryl or heterocyclyl; R4 = H, each (un)substituted C1-10 alkyl, C3-10 cycloalkyl, aryl, or heterocyclyl, CF3; R5 = each (un)substituted aryl or heterocyclyl; m = 0, 1, or 2; n, p, q, t = 0 to 6] or pharmaceutically acceptable salts or stereoisomers thereof. These compds. are capable of inhibiting, modulating and/or regulating signal transduction of both receptor-type tyrosine kinases (RTK) selected from insulin receptor (IR) kinase, insulin-like growth factor I receptor (IGF-IR) kinase and IRR receptor tyrosine kinase and non-receptor type tyrosine kinases (no data). They are useful for treating protein kinase, in particular RTK-related disorders such as cancer, diabetes, an autoimmune disorder, a hyperproliferation disorder, aging, acromegaly, and Crohn's disease and also treating retinal vascularization.

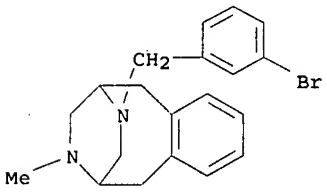
IT **615557-39-6P 615557-40-9P 615557-41-0P**
615557-42-1P 615557-43-2P 615557-44-3P
615557-45-4P 615557-46-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)

IT **615557-51-2P 615557-52-3P 615557-53-4P**
615557-54-5P 615557-55-6P 615557-56-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)

IT **615557-39-6P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)

RN 615557-39-6 HCAPLUS

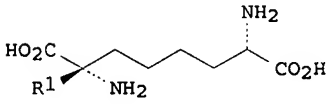
CN 5,2-(Iminomethano)-3-benzazocine, 3-[(3-bromophenyl)methyl]-1,2,3,4,5,6-hexahydro-11-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

=> d bib abs hitstr l12 tot

L12 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:543654 HCAPLUS
DN 137:338105
TI Stereoselective synthesis of bis(α-amino acid) derivatives isosteric of cysteine. Part 4
AU Ferioli, Federico; Piccinelli, Fabio; Porzi, Gianni; Sandri, Sergio
CS Dipartimento di Chimica 'G. Ciamician', Universita di Bologna, Bologna, 40126, Italy
SO Tetrahedron: Asymmetry (2002), 13(11), 1181-1187
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 137:338105
GI



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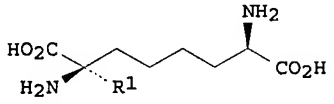

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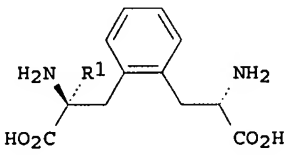

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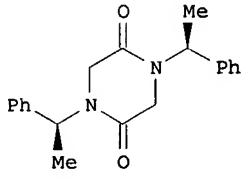
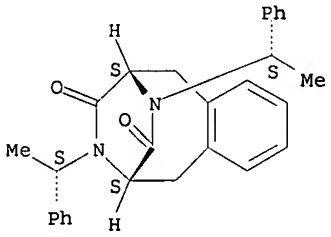


IV

AB Enantiomerically pure α-alkyl derivs. of α,α'-diaminodicarboxylic acids isosteric of cysteine I, II and III (R1 = Me, CH2Ph, CH2OMe, CH2CH:CH2, CH2OH) have been synthesized starting from the glycine-derived chiral synthon IV via alkylation of bicyclic and tricyclic intermediates following by acid-hydrolysis.

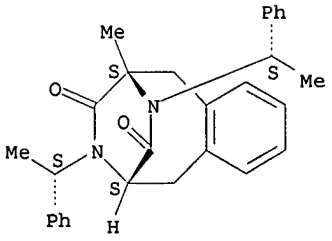
IT **330160-19-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(stereoselective synthesis of 2,7-diaminocarboxylic acid derivs. from glycine-derived chiral synthon via alkylation and acid-hydrolysis)
RN 330160-19-5 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-3,11-bis[(1S)-1-phenylethyl]-, (2S,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



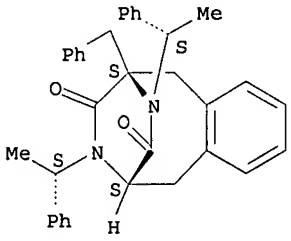
IT **473920-00-2P 473920-01-3P 473920-03-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective synthesis of 2,7-diaminocarboxylic acid derivs. from glycine-derived chiral synthon via alkylation and acid-hydrolysis)
RN 473920-00-2 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-2-methyl-3,11-bis[(1S)-1-phenylethyl]-, (2S,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



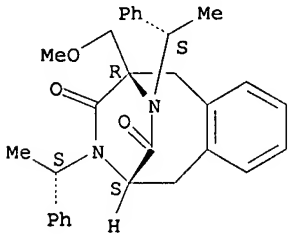
RN 473920-01-3 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-3,11-bis[(1S)-1-phenylethyl]-2-(phenylmethyl)-, (2S,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



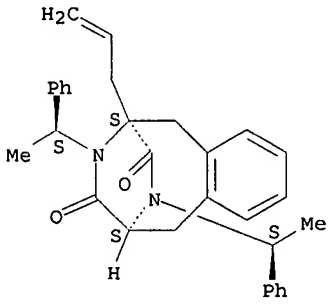
RN 473920-03-5 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-2-(methoxymethyl)-3,11-bis[(1S)-1-phenylethyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT **473920-06-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(stereoselective synthesis of 2,7-diaminocarboxylic acid derivs. from glycine-derived chiral synthon via alkylation and acid-hydrolysis)
RN 473920-06-8 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-3,11-bis[(1S)-1-phenylethyl]-2-(2-propenyl)-, (2S,5S)- (9CI) (CA INDEX NAME)

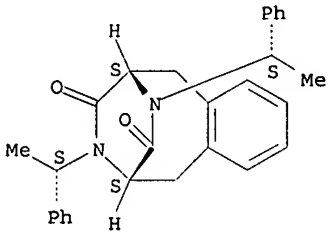
Absolute stereochemistry.



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:32350 HCAPLUS
DN 134:237770
TI Stereoselective synthesis of α,α'-diamino-dicarboxylic acids. Part 2
AU Paradisi, F.; Porzi, G.; Rinaldi, S.; Sandri, S.
CS Dipartimento di Chimica 'G. Ciamician', Universita di Bologna, Bologna, 40126, Italy
SO Tetrahedron: Asymmetry (2000), 11(22), 4617-4622
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 134:237770
AB Enantiomerically pure α,α'-diamino dicarboxylic acids (R,R)- and (S,S)-2,7-diaminosuberic acid and (S,S)-o-phenylenebis(alanine) have been synthesized starting from the glycine-derived chiral synthon (S,S)-1,4-bis(1-phenylethyl)-2,5-piperazinedione.
IT **330160-19-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective preparation of (R,R)- and (S,S)-2,7-diaminosuberic acid and (S,S)-o-phenylenebis(alanine))
RN 330160-19-5 HCAPLUS
CN 5,2-(Iminomethano)-3-benzazocine-4,12(1H)-dione, 2,3,5,6-tetrahydro-3,11-bis[(1S)-1-phenylethyl]-, (2S,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

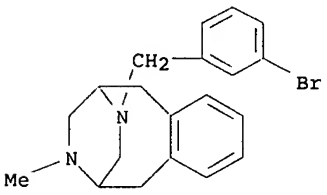
FILE 'USPATOLD' ENTERED AT 13:48:26 ON 20 SEP 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:48:26 ON 20 SEP 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

L16 ANSWER 1 OF 1 USPATFULL on STN
AN 2005:261958 USPATFULL
TI Tyrosine kinase inhibitors
IN Trotter, B. Wesley, Glenside, PA, UNITED STATES
PI US-20050227988 A1 20051013
AI 2003US-000510610 A1 20030408 (10)
2003WO-US00012457 20030408
20041008 PCT 371 date
PRAI 2002US-000372232P 20020412 (60)
DT Utility
FS APPLICATION
LREP MERCK AND CO., INC, P O BOX 2000, RAHWAY, NJ, 07065-0907, US
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2093
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compounds that are capable of

inhibiting, modulating and/or regulating signal transduction of both receptor-type and non-receptor type tyrosine kinases. The compounds of the instant invention possess a core structure that comprises a benzazocine moiety. The present invention is also related to the pharmaceutically acceptable salts, hydrates and stereoisomers of these compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **615557-39-6P 615557-40-9P 615557-41-0P**
615557-42-1P 615557-43-2P 615557-44-3P
615557-45-4P 615557-46-5P
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)
IT **615557-51-2P 615557-52-3P 615557-53-4P**
615557-54-5P 615557-55-6P 615557-56-7P
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)
IT **615557-39-6P**
(preparation of hydro(epiminomethano)benzazocine derivs. as tyrosine kinase inhibitors for treating receptor type tyrosine kinase-related disorders)
RN 615557-39-6 USPATFULL
CN 5,2-(Iminomethano)-3-benzazocine, 3-[(3-bromophenyl)methyl]-1,2,3,4,5,6-hexahydro-11-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



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     FILE 'REGISTRY' ENTERED AT 13:23:10 ON 20 SEP 2007
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L6          20 NC2NC2-C6-NC7/ES
L7          14 L5 AND L6

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L8           1 L7

     FILE 'REGISTRY' ENTERED AT 13:44:47 ON 20 SEP 2007
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               SAV TEM J610C21/A L9
L10         14 L9 AND L5
L11          5 L9 NOT L10

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L14             0 L12

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L15             0 L10

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L16             1 L15

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